

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20050145252"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 07:51
S1	2917	((128/207.14) or (128/207.15) or (128/207.17) or (128/207.29) or (128/200.26) or (128/912) or (128/dig.26) or (623/9)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/15 13:25
S2	2356	S1 and @ad<="20040107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:34
S3	1001	S2 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:35
S4	708	S2 and flange	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:35
S5	293	S4 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:51
S6	182	S5 and trache\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:52
S7	52	S6 and cannula	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:57
S8	13	S7 and percutaneous	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:56
S9	45	S5 and percutaneous	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 15:54
S10	2	("2002/0092526").URPN.	USPAT	OR	ON	2005/11/10 16:13
S11	1	("5401262").PN. OR ("6886558").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:14

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S12	65	("20020095118" "20020095119" "2521084" "2669988" "2693182" "2820457" "2882893" "2908269" "3602227" "3760811" "3774616" "3908665" "4112936" "4198970" "4205819" "4222391" "4270529" "4270531" "4351330" "4351331" "4392857" "4425911" "4495945" "4502478" "4530354" "4640273" "4676240" "4683882" "4699616" "4744358" "4774944" "4791941" "4944313" "5026352" "5069206" "5123410" "5174284" "5193544" "5205281" "5282464" "5305742" "5318017" "5320097" "5355874" "5402776" "5413095" "5501216" "5529062" "5551421" "5626128" "5655519" "5715816" "5746202" "5782236" "5803079" "5806516" "5829430" "5894840" "6244865").PN. OR ("6755191").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:15
S13	27	("3659587" "3986508" "4197848" "4214779" "4496350" "4511359" "4758225" "4763648" "4768568" "4834152" "4929235" "4950257" "4981469" "4998927" "5108380" "5147305" "5149327" "5201725" "5211370" "5215537" "5215538" "5242432" "5251873" "5273533" "5322518" "5360413").PN. OR ("RE38145").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:16
S14	33	("3538918" "3682166" "3693624" "3788326" "4246897" "4278081" "4340046" "4459984" "4483337" "4573460" "4588399" "4677978").PN. OR ("5058580").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:18
S15	39	("0155667" "3137299" "3169529" "3263684" "3499450" "3747127" "3844290" "3952335" "4044402" "4269184" "4274162" "4325366" "4435853" "4475888" "4596579" "4614516" "4653496" "4820304").PN. OR ("4911716").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:21

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S16	25	("4246897" "4852565" "5026352" "5188100" "5217005" "5217008" "5251616" "5419314").PN. OR ("5515844").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:24
S17	22	("2786469" "3137299" "3225767").PN. OR ("3973569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:26
S18	19	("4246897" "4459984" "4688568" "4817598" "4919127" "4960122" "5042475" "5052386" "5056515" "5058580").PN. OR ("5287852").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:28
S19	25	("0237383" "2039142" "4223411" "4246897" "4291690" "4325366" "4435853" "4538607" "4582058" "4596579" "4614516" "4623348" "4649904" "4653660" "4655752" "4695275" "4808183" "4911716" "4964850" "5078743" "5090420").PN. OR ("5507809").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:29
S20	48	("2804076" "2948296" "3137299" "3683931" "4040428").PN. OR ("4325366").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/10 16:30
S21	3	((("6105577") or ("6135110") or ("6637435"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/14 12:46
S22	27	("0300285" "0460987" "3511243" "3754554" "3916903" "3957055" "4211234" "4364391" "4405314" "4449522" "4471778" "4978334" "5058580" "5186168" "5197465" "5217005" "5217007" "5259371" "5279285" "5623924" "5653230" "5669380" "RE34086").PN. OR ("6637435").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:47
S23	1	S22 and hardness	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:48
S24	0	S22 and (flange near thick\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:48

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S25	25	("3169529" "3556103" "3659612" "3688774" "3693624" "3696624" "3987798" "4009720" "4029105" "4064882" "4235229" "4315505" "4449523" "4852565" "5054482" "5056515" "5067496" "5318021" "5390669" "5458139" "5460176" "5819734").PN. OR ("6135110").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:49
S26	3	S25 and hardness	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:49
S27	0	S25 and (flange near thick\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:49
S28	36	("3286713" "3422817" "3683911" "3924636" "4221215" "4313437" "4315505" "4326515" "4331144" "4548200" "4658813" "4817598" "4915694" "5009227" "5060645" "5146913" "5344411" "5471980" "5512055" "5529062" "5555881" "5653232" "5671732" "5762638" "5778877" "5782236" "5819734" "5918599").PN. OR ("6105577").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:53
S29	2	S28 and hardness	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:53
S30	0	S28 and (flange near thick\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:53
S31	22445	flange and hardness	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:55
S32	15590	S31 and @ad<="20040107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:56
S33	373	S32 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 14:45
S34	15	S33 and (flange near thick\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 12:57
S35	0	"10429968".rlan.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 14:45

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S36	282067	(multiple cannula systems) and Thomas	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 14:46
S37	12448780	S36 and @ad="20030506"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/14 14:46
S38	0	("2005/0166924").URPN.	USPAT	OR	ON	2005/11/14 14:47
S39	208122	curved and flange	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 13:25
S40	95600	S39 and @ad<="20040107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 13:26
S41	2483	S40 and lumen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 13:28
S42	14049	(curved with flange) and @ad<="20050107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:35
S43	216	S42 and lumen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 13:29
S44	49650	((right or "90" or ("90" and degree))with flange) and @ad<="20050107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:37
S45	613	S44 and lumen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:36
S46	2356	((offset and (right or "90" or ("90" and degree)))with flange) and @ad<="20050107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:30
S47	10	S46 and lumen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:40
S48	549	S46 and tube	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:40
S49	3347	((offset and ((right angle) or "90" or ("90" and degree)))with flange) and @ad<="20050107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:50
S50	24	S49 and lumen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:42
S51	22	S49 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:46

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S52	2679	((offset and (right angle)) with flange) and @ad<="20050107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:04
S53	9	S52 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 14:51
S54	760	((offset with (right angle)) with flange) and @ad<="20050107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:11
S55	3	S54 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:05
S56	58405	((offset adj\$4 (right angle)) with flange) and @ad<="20050107"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:07
S57	451	S56 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:07
S58	269	S57 and lumen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:08
S59	629	((offset adj\$4 (right angle)) with flange) and @ad<="20050107" and lumen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:15
S60	269	S59 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:12
S61	62	S60 and oxygen	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:13
S62	42	S60 and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:13
S63	42	((offset adj\$3 (right angle)) with flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:16
S64	38	((offset adj\$2 (right angle)) with flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:16
S65	38	((offset adj\$1 (right angle)) with flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:19
S66	2382	((offset adj\$1 (right angle)) adj\$5 flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:20

EAST Search History

S67	2197	((offset adj\$1 (right angle)) near\$5 flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:20
S68	2190	((offset adj\$1 (right angle)) near\$2 flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:20
S69	7	((offset adj\$3 (right angle)) near2 flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:28
S70	0	((offset near4(right angle)) near2 flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:28
S71	0	((offset near5(right angle)) near2 flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:29
S72	0	((offset near5(right angle)) near4 flange) and @ad<="20050107" and lumen and catheter and trach\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:29
S73	1	((offset near5(right angle)) near4 flange) and @ad<="20050107" and lumen and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:29
S74	300	((offset adj\$3 (right or "90" or ("90" and degree))))with flange) and @ad<="20050107" and lumen and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:30
S75	19	((offset adj\$3 (right or "90" or ("90" and degree))))with flange) and @ad<="20050107" and lumen and catheter and trach\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:31
S76	21	"3659611"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/16 12:29
S77	1	("3659611").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 12:49
S78	1	("5305740").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 12:49
S79	1	("3659611").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 13:37
S80	1	("5305740").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 13:37

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S81	3178	((128/207.14) or (128/207.15) or (128/207.17) or (128/207.29) or (128/200.26) or (128/912) or (623/9) or (128/Dig.26)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/17 10:34
S82	2	("20050145252").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 10:23
S83	1	(US-20050145252-\$).did.	US-PGPUB	OR	ON	2006/03/22 10:27
S84	0	S83 and (flange adj neck)	US-PGPUB	OR	ON	2006/03/22 10:27
S85	1	S83 and (flange with neck)	US-PGPUB	OR	ON	2006/03/22 10:33
S86	0	S83 and (flange with operable)	US-PGPUB	OR	ON	2006/03/22 10:33
S87	0	S83 and (flange with placed)	US-PGPUB	OR	ON	2006/03/22 10:33
S88	0	S83 and (flange with attached)	US-PGPUB	OR	ON	2006/03/22 10:34
S89	1	S83 and (flange with trachea)	US-PGPUB	OR	ON	2006/03/22 10:34
S90	4551	"128".clas.	US-PGPUB	OR	ON	2006/03/22 13:46
S91	141	S90 and trachea and neck	US-PGPUB	OR	ON	2006/03/22 12:43
S92	17	S91 and stoma	US-PGPUB	OR	ON	2006/03/22 12:44
S93	94	S91 and @ad<="20040107"	US-PGPUB	OR	ON	2006/03/22 12:48
S94	10	S93 and stoma	US-PGPUB	OR	ON	2006/03/22 15:21
S95	86	loyd.in.	US-PGPUB	OR	ON	2006/03/22 12:46
S96	4	S95 near james	US-PGPUB	OR	ON	2006/03/22 12:46
S97	18	creedon.in.	US-PGPUB	OR	ON	2006/03/22 12:46
S98	2	S97 near dennis	US-PGPUB	OR	ON	2006/03/22 12:46
S99	340	marten.in.	US-PGPUB	OR	ON	2006/03/22 12:46
S100	2	S99 near lewis	US-PGPUB	OR	ON	2006/03/22 12:47
S101	6	S96 or S98 or S100	US-PGPUB	OR	ON	2006/03/22 12:47
S102	4550	S90 not S101	US-PGPUB	OR	ON	2006/03/22 12:47
S103	244	S102 and (trachea and (neck or throat))	US-PGPUB	OR	ON	2006/03/22 12:48
S104	17	S103 and stoma	US-PGPUB	OR	ON	2006/03/22 12:48
S105	165	S103 and @ad<="20040107"	US-PGPUB	OR	ON	2006/03/22 13:48

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S10 6	10	S105 and stoma	US-PGPUB	OR	ON	2006/03/22 12:52
S10 7	155	S105 not S106	US-PGPUB	OR	ON	2006/03/22 12:52
S10 8	2999	S102 and @ad<="20040107"	US-PGPUB	OR	ON	2006/03/22 13:53
S10 9	355	S108 and trachea	US-PGPUB	OR	ON	2006/03/22 13:08
S11 0	200	S109 not S107	US-PGPUB	OR	ON	2006/03/22 13:08
S11 1	190	S110 not S106	US-PGPUB	OR	ON	2006/03/22 13:20
S11 2	2734	S90 and (connector or bevel or rib or rim or attachment or ring)	US-PGPUB	OR	ON	2006/03/22 13:49
S11 3	672	S112 and (graduate or lock or latch)	US-PGPUB	OR	ON	2006/03/22 13:49
S11 4	79	S113 and trachea	US-PGPUB	OR	ON	2006/03/22 13:49
S11 5	0	("2004/0154623").URPN.	USPAT	OR	ON	2006/03/22 13:52
S11 6	57	S114 and @ad<="20040107"	US-PGPUB	OR	ON	2006/03/22 14:00
S11 7	3000	S90 and @ad<="20040107"	US-PGPUB	OR	ON	2006/03/22 14:31
S11 8	651	S117 and (lock or locking)	US-PGPUB	OR	ON	2006/03/22 14:01
S11 9	728	stent and "128".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:33
S12 0	471	bushing and "128".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:21
S12 1	146	(S119 or S120) and trachea	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:21

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S12 2	187	S117 and ((implant or impregnate or invasive or insert) and trachea)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:28
S12 3	8	(US-20020193879-\$ or US-20030037789-\$).did. or (US-5300119-\$ or US-5259376-\$ or US-4911716-\$ or US-5287852-\$ or US-4614516-\$ or US-5578083-\$). did.	US-PGPUB; USPAT	OR	ON	2006/03/22 14:37
S12 4	268	(623/9).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 14:31
S12 5	9	S124 and @ad<="20040107"	US-PGPUB	OR	ON	2006/03/22 14:37
S12 6	1	S119 and S120 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:33
S12 7	53	S119 and (S120 or S122)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:33
S12 8	31	S122 and (S120 or S119)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:36
S12 9	1	S128 not S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 14:36
S13 0	179	trachea and stoma	US-PGPUB; USPAT	OR	ON	2006/03/22 14:37
S13 1	28	S130 and @ad<="20040107"	US-PGPUB	OR	ON	2006/03/22 14:41

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S13 2	22	(("4325366") or ("4435853") or ("20050166924") or ("4246897") or ("5251617") or ("5058580") or ("5287852") or ("5515844") or ("3973569")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 14:43
S13 3	9	(US-20050166924-\$).did. or (US-5515844-\$ or US-5287852-\$ or US-5251617-\$ or US-5058580-\$ or US-4435853-\$ or US-4325366-\$ or US-4246897-\$ or US-3973569-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/22 14:42
S13 4	2	("20050145252").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 15:21